



# TASMANIAN ENERGY SECURITY Monitor and Assessor



## Monthly Dashboard

August 2021 edition

Report on energy in storage levels and energy security assessment for mainland Tasmania as at 2 August 2021

### Status

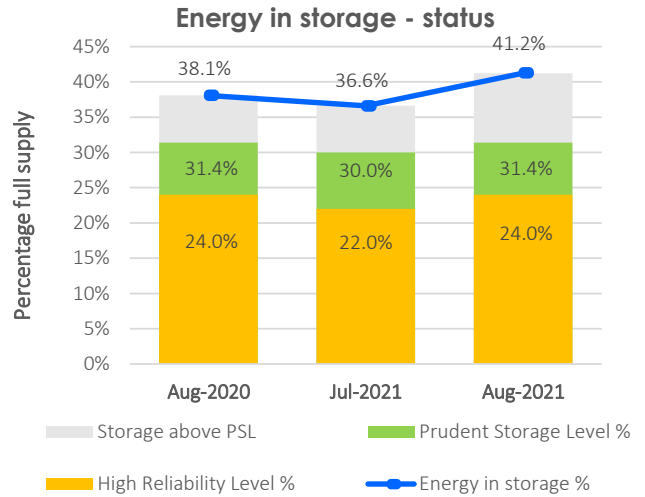
Energy in storage remains well above the Prudent Storage Level.  
 Energy in storage is equivalent to 6.8 months average seasonal demand.<sup>^</sup>  
 Risk response: Normal - commercial operation of Hydro Tasmania generation.  
 Hydro Tasmania reports that storages remain above the High Reliability Level over the next 120 days in all its simulated inflow sequences.

Energy security assessment:  
 no additional monitoring activities required

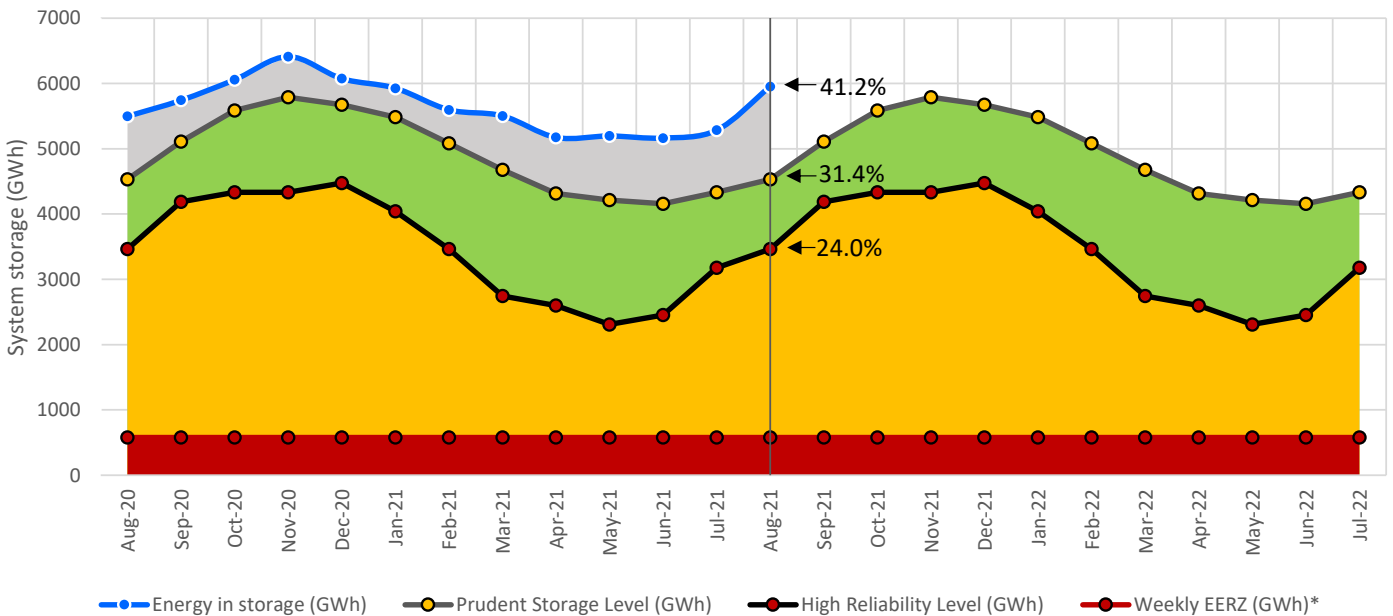
### Energy in storage (EIS)

	System	PSL	HRL
As at 2 August 2021 (GWh)	5 954	4 533	3 465
Percentage full supply	41.2%	31.4%	24.0%
Total July inflows~ (GWh)	1 598		
Previous month (as at 5 July 2021) (GWh)			
	5 285		
Change from last month (GWh)	12.7%		
Compared to August last year (GWh)	8.3%		

System (14 437 GWh) - excludes Lake Gairdner, Lake Margaret and Lake Plimsoll



### Energy in storage (mainland Tasmania) - August 2020 to August 2021



<sup>^</sup>Average seasonal demand for the energy in storage equivalent is approximately 878 GWh per month.

~Inflows for the calendar month.

\*System storage associated with Great Lake Environmental Extreme Risk Zone (EERZ).

HRL = High Reliability Level (threshold to which reserve water is held for energy security purposes, where the reserve is sufficient to withstand a six month Basslink outage coinciding with a very low inflow sequence, and avoid extreme environmental risk for Great Lake).

PSL = Prudent Storage Level (additional storage to result in a low likelihood of entering the HRL under normal operating conditions).

EIS = Energy in storage (the volume of water available for electricity generation in Hydro Tasmania's dams as a percentage of full supply).

## July statistics

### Mainland Tasmanian generation during July 2021

Tasmanian monthly consumption	1 025.9 GWh
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### Renewable generation

Hydro generation	955.4 GWh
Wind generation	163.0 GWh

### Gas

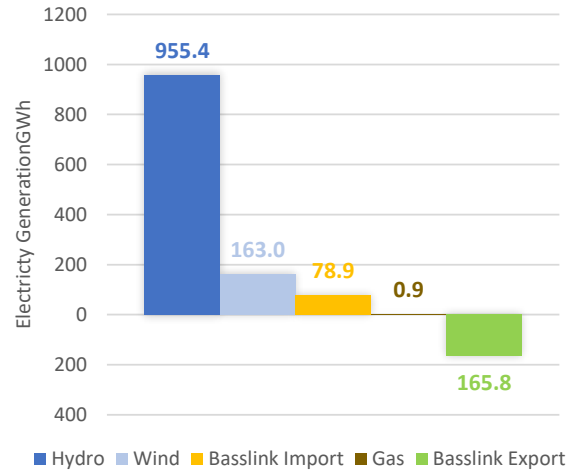
Gas generation	Operational
Gas generation	0.9 GWh

### Basslink flows during July 2021

#### Basslink interconnector

Basslink interconnector	Operational
Basslink imports	78.9 GWh
Basslink exports	165.8 GWh
Basslink net exports	86.9 GWh

### Mainland Tasmanian generation mix

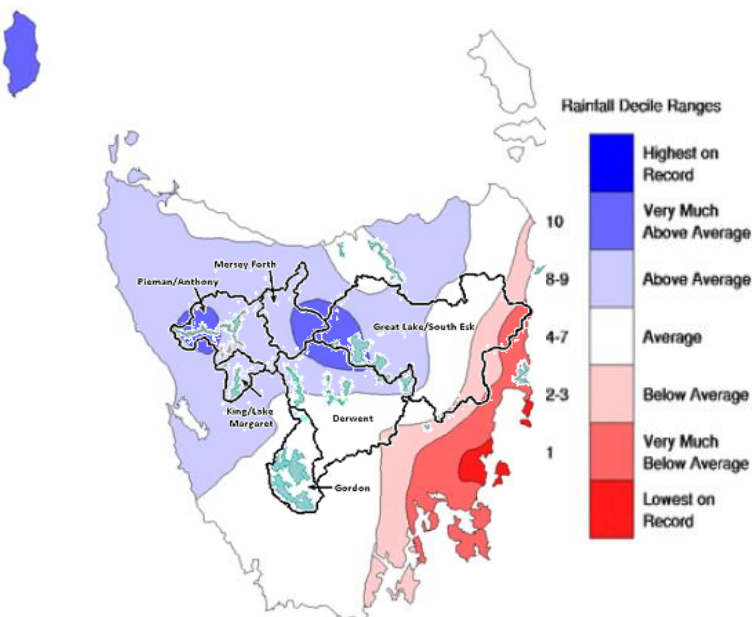


## Energy security outlook

### Rainfall in Tasmania - July 2021

July rainfall was above average across north-west Tasmania extending into the Central Plateau district. Conversely, it was drier than average in the south-east, particularly along the coast. Monthly rainfall was 8.1 per cent above average for Tasmania overall and the highest since 2019. Both days and nights were warmer than average across the state, with the mean minimum temperature 0.81 °C warmer than average, the highest since 2019.

#### Monthly Rainfall Deciles for Tasmania 01/07/2021 - 31/07/2021

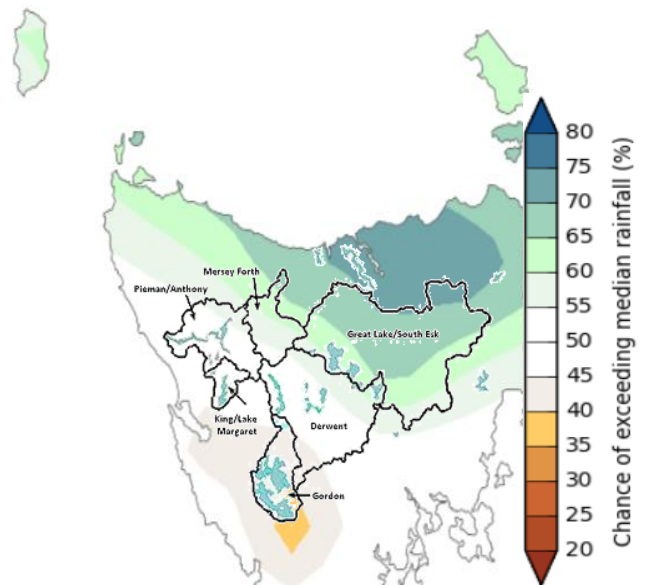


Source: Bureau of Meteorology, Monthly Climate Summary for Tasmania (link).

### Three month forecast

The Bureau of Meteorology's three month climate outlook for August 2021 to October 2021, issued on 29 July 2021, estimates it is more likely than not that rainfall will be at or above the median level in northern Tasmania, and less likely than not that rainfall in western Tasmania will be above the median level. The catchment with the lowest probability of receiving above the median rainfall is Gordon, with a probability of receiving above average rainfall of approximately 40 per cent.

#### Likelihood of Exceeding the Median Rainfall August to October 2021



Source: Bureau of Meteorology, Monthly Climate Outlook (link).

*Disclaimer: This report has been prepared in good faith using information sourced from NEM Review™ and the Australian Bureau of Meteorology, with additional data provided by Hydro Tasmania. The Office of the Tasmanian Economic Regulator assumes no liability as to the reliability and accuracy of the information provided.*